

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of providing access to a resource on a network, comprising:

selecting a range of network addresses that correspond to two or more devices on the network, the two or more network devices sending unrelated flows of data packets to other devices on the network; and

installing instructions on the network, the instructions ~~defining~~ comprising one filter that defines a fixed level of access to the a resource available to the two or more devices, the instructions comprising instructions to queue data packets having a predetermined priority for later transmission if an amount of data packets exceeds ~~the a~~ level of the resource that is available; ~~and modifying the instructions to change the level of access to the resource.~~

2. (Currently Amended) The method of claim 1, wherein ~~the instructions comprise a filter and are installed on a device on the network~~, the filter ~~being~~ is defined by matching criteria to identify a network address in the range of network addresses and an action that is performed with respect to the network address.

3. (Cancelled)
4. (Currently Amended) The method of claim 1 3, ~~wherein~~ further comprising modifying the instructions to change the range of addresses ~~comprises changing the~~ address upon which the instructions base the level of access to the resource.
5. (Original) The method of claim 4, wherein modifying the instructions comprises increasing the range of addresses ~~substituting a range of addresses for the~~ address upon which the instructions base the level of access to the resource.
6. (Currently Amended) The method of claim 1 5, further comprising installing a negative filter ~~within the range of addresses~~ in order to block a network device having an address within the range of addresses from accessing the resource.
7. (Currently Amended) The method of claim 1, wherein the instructions are installed in a target device on the network, and the resource comprises bandwidth available from the target device.
8. (Currently Amended) The method of claim 7, ~~wherein~~ further comprising modifying the instructions ~~comprises: changing~~ to change an the amount of bandwidth available on the target device ~~to one or more network nodes~~.

9. (Currently Amended) The method of claim 1, wherein the ~~instructions define~~ the filter defines a level of access to the resource based on a priority level of data packets being transmitted through the network.

10. (Currently Amended) The method of claim 9 ~~1~~, ~~wherein modifying the instructions comprises~~ further comprising modifying the instructions to change an ~~changing the~~ amount of data packets having a particular priority level that can be transmitted through the network.

11. (Original) The method of claim 9, wherein the priority level of the data packets is defined by instructions in headers of the data packets.

12. (Currently Amended) The method of claim 2, wherein there are a limited number of filters that can be installed on a target device on the network ~~and the filter is modified to increase a number of users with access through the filter.~~

13. (Currently Amended) The method of claim 12 ~~2~~, further comprising installing a negative filter on the target device in order to block data from an address that is transmitting data.

14. (Currently Amended) A computer program stored on a computer-readable medium for providing access to a resource on a network, the computer program comprising executable code that causes a computer to:

select a range of network addresses that correspond to two or more devices on the network, the two or more network devices sending unrelated flows of data packets to other devices on the network; and

install instructions on the network, the instructions ~~defining~~ comprising one filter that defines a fixed level of access to the a resource available to the two or more devices,, the instructions comprising instructions to queue data packets having a predetermined priority for later transmission if an amount of data packets exceeds ~~the a~~ level of the resource that is available; ~~and modify the instructions to change the level of access to the resource.~~

15. (Currently Amended) The computer program of claim 14, wherein ~~the instructions comprise a filter and are installed on a device on the network,~~ the filter being is defined by matching criteria to identify a network address in the range of network addresses and an action that is performed with respect to the network address.

16. (Cancelled)

17. (Currently Amended) The computer program of claim ~~14~~ 14, further comprising executable code to modify wherein modifying the instructions to change the

range of addresses ~~comprises changing the address upon which the instructions base the level of access to the resource.~~

18. (Currently Amended) The computer program of claim 17, wherein modifying the instructions comprises increasing the range of addresses ~~substituting a range of addresses for the address upon which the instructions base the level of access to the resource.~~

19. (Currently Amended) The computer program of claim 14 ~~17~~, further comprising ~~computer~~ executable code to install a negative filter ~~within the range of addresses~~ in order to block a network device having an address within the range of addresses from accessing the resource.

20. (Currently Amended) The computer program of claim 14, wherein the instructions are installed in a target device on the network, and the resource comprises bandwidth available from the target device.

21. (Currently Amended) The computer program of claim 20, ~~wherein modifying the instructions comprises: changing the~~ further comprising executable code to modify the instructions to change an amount of bandwidth available on the target device to one or more network nodes.

22. (Currently Amended) The computer program of claim 14, wherein the ~~instructions define the~~ filter defines a level of access to the resource based on a priority level of data packets being transmitted through the network.

23. (Currently Amended) The computer program of claim 22 14, ~~wherein~~ ~~modifying the instructions comprises: changing the~~ further comprising executable code to modify the instructions to change an amount of data packets having a particular priority level that can be transmitted through the network.

24. (Original) The computer program of claim 22, wherein the priority level of the data packets is defined by instructions in headers of the data packets.

25. (Currently Amended) The computer program of claim 15, wherein there are a limited number of filters that can be installed on a target device on the network ~~and the~~ ~~filter is modified to increase a number of users with access through the filter.~~

26. (Currently Amended) The computer program of claim 15, further comprising ~~computer~~ executable code to install a negative filter on the target device in order to block data from an address that is transmitting data.

27. (Currently Amended) An apparatus for providing access to a resource on a network, comprising:

a memory which stores executable code; and

a processor which executes the code to:

select a range of network addresses that correspond to two or more devices on the network, the two or more network devices sending unrelated flows of data packets to other devices on the network; and

install instructions on the network, the instructions ~~defining~~ comprising one filter that defines a fixed level of access to ~~the~~ a resource available to the two or more devices, the instructions comprising instructions to queue data packets having a predetermined priority for later transmission if an amount of data packets exceeds ~~the~~ a level of the resource that is available; ~~and modify the instructions to change the level of access to the resource.~~

28. (Currently Amended) The apparatus of claim 27, wherein ~~the instructions comprise a filter and are installed on a device on the network~~, the filter ~~being~~ is defined by matching criteria to identify a network address in the range of network addresses and an action that is performed with respect to the network address.

29. (Cancelled)

30. (Currently Amended) The apparatus of claim 27, ~~wherein modifying~~ wherein the processor executes the code to modify the instructions to change the range of addresses

~~comprises changing the address upon which the instructions base the level of access to the resource.~~

31. (Currently Amended) The apparatus of claim 30, wherein modifying the instructions comprises increasing the range of addresses ~~substituting a range of addresses for the address upon which the instructions base the level of access to the resource.~~

32. (Currently Amended) The apparatus of claim 31, wherein the processor executes the code to install a negative filter ~~within the range of addresses~~ in order to block a network device having an address within the range of addresses from accessing the resource.

33. (Currently Amended) The apparatus of claim 27, wherein the instructions are installed in a target device on the network, and the resource comprises bandwidth available from the target device.

34. (Currently Amended) The apparatus of claim 33, wherein ~~modifying the instructions comprises: changing the~~ the processor executes code to change an amount of bandwidth available on the target device ~~to one or more network nodes.~~



35. (Original) The apparatus of claim 27, wherein the filter defines a instructions ~~define the~~ level of access to the resource based on a priority level of data packets being transmitted through the network.

36. (Currently Amended) The apparatus of claim 35 27, wherein ~~modifying the instructions comprises: changing the~~ the processor executes code to modify the instructions to change an amount of data packets having a particular priority level that can be transmitted through the network.

37. (Original) The apparatus of claim 35, wherein the priority level of the data packets is defined by instructions in headers of the data packets.

38. (Currently Amended) The apparatus of claim 28, wherein there are a limited number of filters that can be installed on the network ~~and the filter is modified to increase a number of users with access through the filter.~~

39. (Currently Amended) The apparatus of claim 38 28, wherein the processor executes code to install a negative filter on the device in order to block data from an address that is transmitting data.

40. (Currently Amended) An apparatus for providing access to a resource on a network, comprising:

means for selecting a range of network addresses that correspond to two or more devices on the network, the two or more network devices sending unrelated flows of data packets to other devices on the network; and

means for installing instructions on the network, the instructions ~~defining~~ comprising one filter that defines a fixed level of access to ~~the~~ a resource available to the two or more devices, the instructions comprising instructions to queue data packets having a predetermined priority for later transmission if an amount of data packets exceeds ~~the~~ a level of the resource that is available; ~~and means for modifying the instructions to change the level of access to the resource.~~